

WHAT IS CLAIMED IS:

1. The screw with a plurality of screwing angle comprising:
a first section having a first thread with a first screwing angle,
at least one third section having a second thread with a second
5 screwing angle;
and a fifth section having a fifth thread with the fifth screwing angle;
and the fifth thread being identical to the first thread;
wherein the second screwing angle is not equal to the first screwing
angle.
- 10 2. The screw with a plurality of screwing angle as claimed in claim 1,
wherein the second screwing angle is larger than the first screwing angle.
3. The screw with a plurality of screwing angle as claimed in claim 1,
wherein the second screwing angle is smaller than the first screwing angle.
4. The screw with a plurality of screwing angle as claimed in claim 1,
15 wherein a second section is connected between the first section and the
third section; the second section has a fourth thread with a fourth screwing
angle; a fourth section is connected between the third section and the fifth
section; and the fourth section has a third thread with a third screwing
angle.
- 20 5. The screw with a plurality of screwing angle as claimed in claim 4,
wherein the third screwing angle is smaller than the first screwing angle.
6. The screw with a plurality of screwing angle as claimed in claim 4,
wherein the fourth screwing angle is smaller than the first screwing angle.
7. The screw with a plurality of screwing angle as claimed in claim 4,
25 wherein the thread pitch of the second thread is 150 to 170 % of the thread

pitch of the first thread, and the thread pitch of the third thread and / or the fourth screwing angle is 67 to 75 % of that of the first thread.

8. The screw with a plurality of screwing angle as claimed in claim 1, wherein the thread pitch of the second thread is 30 to 50 % of the first thread and the thread pitch of the third thread and / or fourth thread is 125 to 135 % of that of the first thread.

9. The screw with a plurality of screwing angle as claimed in claim 1, wherein the third screwing angle is equal to the fourth screwing angle.

10. The screw with a plurality of screwing angle as claimed in claim 1, wherein the third screwing angle is unequal to the fourth screwing angle.

11. A mold device for forming a screw with a plurality of screwing angle comprising:

a first mold having a plurality of recesses which are approximately arranged in parallel; each recess includes two first sloped recesses for forming a first thread with a first screwing angle and a second sloped recess for forming a second thread with a second screwing angle; the second sloped recess is connected between the two first sloped recesses;

wherein the orientation of the second sloped recess is different from that of the first sloped recesses.

12. The mold device as claimed in claim 11, further comprising:

a second mold line-symmetrical to the first mold, that is, when a virtual line is placed between the first and second mold, the first and second molds are symmetrical with respect to the virtual line.

13. The mold device as claimed in claim 11, wherein the first mold further includes a third sloped recess connected between one of the first

sloped recess and the second sloped recess and a fourth sloped trench connected between the other one of the first sloped recess and the second sloped recess.

14. The mold device as claimed in claim 11, wherein when the
5 orientation first sloped recess is set as a horizontal direction, the absolute value of the slope of the third sloped recess is identical to the absolute value of the slope of the fourth sloped trench.

15. The mold device as claimed in claim 11, wherein when the
orientation first sloped recess is set as a horizontal direction, the absolute
10 value of the slope of the third sloped recess is different from the absolute value of the slope of the fourth sloped trench.

16. The mold device as claimed in claim 11, wherein the slope of the orientation of the second sloped recess is larger than that of the first sloped recess.

15 17. The mold device as claimed in claim 11, wherein the slope of the orientation of the second sloped recess is smaller than that of the first sloped recess.